

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Stockman et al.

Docket No.: 6283.N DV1

Title: METHODS FOR CREATING A COMPOUND LIBRARY AND IDENTIFYING LEAD CHEMICAL TEMPLATES AND LIGANDS FOR TARGET MOLECULES



Assistant Commissioner for Patents  
**Mail Stop PATENT APPLICATION**  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ **UTILITY PATENT APPLICATION** including:
- ☒ Specification (43 consecutively numbered pgs, including 45 claims on 6 consecutively numbered pgs and a 1 pg Abstract);
  - ☒ Drawings (16 figures on 16 sheets);
  - ☒ A signed Declaration and Power of Attorney (3 pgs).
  - ☒ Application Data Sheet (2 pgs).
  - ☒ An itemized return postcard.
  - ☐ An Assignment of the invention to \_\_\_ and Recordation Form Cover Sheet.
  - ☐ A check in the amount of \$40.00 to pay the Assignment Recording Fee.
  - ☐ A certified copy of a \_\_\_ application, Serial No. \_\_\_, filed \_\_\_\_\_, the right of priority of which is claimed under 35 U.S.C. §119.
  - ☒ Other: Request for Filing a Divisional Patent Application Under Rule 1.53(b) - (3 pgs); Preliminary Amendment (8 pgs); and Replacement Drawings (16 Figures on 16 sheets).
  - ☒ A check in the amount of \$770 to pay the filing fee, which is calculated below:

APPLICATION FILING FEE					
	Number of Pending Claims (1)	Claims Included in Basic Filing Fee (2)	Number of Extra Claims (1-2)	Cost per Extra Claim	Fee Required
Total Claims	13	- 20 =	0	x \$18 =	\$0
Independent Claims	1	- 3 =	0	x \$86 =	\$0
One or More Multiple Dependent Claims Presented? If Yes, Enter \$290 Here →					\$0
Enter Basic Filing Fee (Utility Patent-\$770) Here →					\$770
<b>Total Application Filing Fee</b>					<b>\$770</b>

Please consider this a **PETITION FOR EXTENSION OF TIME** for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.  
 Customer Number: 26813

By: Ann M. Mueeting  
 Name: Ann M. Mueeting  
 Reg. No.: 33,977  
 Direct Dial: 612-305-1217  
 Facsimile: 612-305-1228

**CERTIFICATE UNDER 37 CFR §1.10:**

"Express Mail" mailing label number: **EV 073687917 US**

Date of Deposit: October 27, 2003

I hereby certify that the Transmittal Letter and the paper(s) and/or fee(s), as described hereinabove, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Mail Stop PATENT APPLICATION, P.O. Box 1450, Alexandria, VA 22313-1450.

By: Sam Her  
 Name: SAM HER

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.10)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Stockman et al.

Docket No.: 6283.N DV1

Title: METHODS FOR CREATING A COMPOUND LIBRARY AND IDENTIFYING LEAD CHEMICAL  
TEMPLATES AND LIGANDS FOR TARGET MOLECULES

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Enter Basic Filing Fee (Utility Patent-\$770) Here →					\$770
Total Application Filing Fee					\$770

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MUETING, RAASCH & GEBHARDT, P.A.  
Customer Number: 26813

By:

Name: Ann M. Mueting

Reg. No.: 33,977

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By:

Name: SAM HER

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.10)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Docket Number	Anticipated Classification		Prior Application	
6283.N DV1	Class	Subclass	Examiner Maurie Garcia Baker	Art Unit 1639

**REQUEST FOR FILING A DIVISIONAL PATENT APPLICATION  
UNDER RULE 1.53(b)**

Assistant Commissioner for Patents  
Mail Stop PATENT APPLICATION  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is a request for filing a divisional application under 37 CFR §1.53(b) of Serial No. 09/677,107, Confirmation No. 2037, filed on September 29, 2000, entitled METHODS FOR CREATING A COMPOUND LIBRARY AND IDENTIFYING LEAD CHEMICAL TEMPLATES AND LIGANDS FOR TARGET MOLECULES, which claims priority to U.S. Provisional Application Serial Nos. 60/156,818, filed on September 29, 1999, 60/161,682, filed on October 26, 1999, and 60/192,685, filed on March 28, 2000, by the following inventor(s) (name, address, and citizenship):

**Brian J. STOCKMAN**  
2140 Waite Avenue  
Kalamazoo, MI 49008  
Citizenship: US

**Kathleen A. FARLEY**  
20975 Waterloo Road  
Chelsea, MI 48118  
Citizenship: US

**Claudio DALVIT**  
Via G.C. Procaccini 23  
Milan, Italy 20154  
Citizenship: ITALY

1.   X   Enclosed is a copy of the specification (including claims, abstract, and drawings) as filed in the prior application.
2.      Enclosed is a new specification (including claims and abstract). The entire disclosure of the prior application is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference. No new matter has been added.
3.   X   Enclosed is a copy of the Declaration and Power of Attorney filed in the prior application.

Filed: Herewith (Parent: September 29, 2000)

Title: METHODS FOR CREATING A COMPOUND LIBRARY AND IDENTIFYING LEAD CHEMICAL TEMPLATES AND LIGANDS FOR TARGET MOLECULES

4. ☐ Enclosed is a newly executed Declaration and Power of Attorney.
5. ☒ Enclosed are Replacement Drawings (20 sheets).
6. ☒ Before calculating the filing fee, cancel in this application claims 1-17 and 31-45, as described in the attached Preliminary Amendment. (At least one independent claim must be retained for filing purposes.)
7. ☒ A preliminary amendment is enclosed.
8. ☒ The filing fee is calculated below:

CLAIMS AS FILED			
NUMBER FILED	NUMBER EXTRA	RATE	BASIC FEE \$770
Total Claims 13-20 =	0	\$18	\$0
Independent Claims 1-3 =	0	\$86	\$0
MULTIPLE DEPENDENT CLAIM PRESENTED		\$290	\$0
FILING FEE:			<b>\$770</b>

9. ☒ A check in the amount of \$770 is attached.
10. ☒ The Commissioner is hereby authorized to charge any additional fees as set forth in 37 CFR §1.16 to 1.18 which may be required by this paper or credit any overpayment to Account No. 13-4895.
11. ☒ This application is being filed by less than all of the inventors named in the prior application. Please delete the names of the following inventor(s) who are not inventors of the invention claimed in the present application:

**Claudio DALVIT**

12. ☐ Priority of foreign application Serial No. \_\_\_\_, filed on \_\_\_\_ in (country) \_\_\_\_ is claimed under 35 U.S.C. §119.
13. ☒ The prior application is assigned of record to Pharmacia & Upjohn Company.

Filed: Herewith (Parent: September 29, 2000)

Title: METHODS FOR CREATING A COMPOUND LIBRARY AND IDENTIFYING LEAD CHEMICAL TEMPLATES AND LIGANDS FOR TARGET MOLECULES

14. X The Power of Attorney in the prior application is to:

**Ann M. Mueting**  
Mueting, Raasch & Gebhardt, P.A.  
P.O. Box 581415  
Minneapolis, MN 55458-1415  
**Customer Number 26813**

15.     Small Entity Status is entitled to be asserted in the above-identified application.

16. X Application Data Sheet.

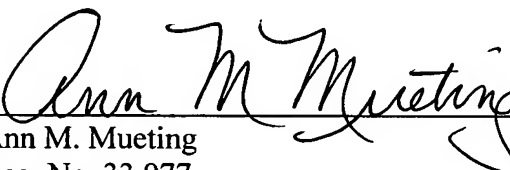
**Address all future communications to:**

MUETING, RAASCH & GEBHARDT, P.A.  
P.O. Box 581415  
Minneapolis, Minnesota 55458-1415  
**Customer Number 26813**

Attn: Ann M. Mueting  
(Telephone: 612-305-1220)  
(Facsimile: 612-305-1228)

Date:

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